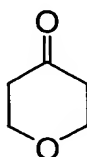


[Document name] Abstract

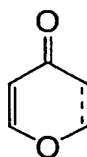
The present invention relates to a process for preparing tetrahydropyran-4-one represented by the formula

5 (1):



(1)

which comprises reacting at least one kind of dihydropyran-4-one and pyran-4-one represented by the formula (2):



(2)

10 wherein \equiv represents a single bond or a double bond,

and hydrogen

(a) in the presence of a metal catalyst, in a mixed solvent of an aprotic solvent and an alcohol solvent, or

15 (b) in the presence of an anhydrous metal catalyst in which a hydrated metal catalyst is subjected to dehydration treatment, in a hydrophobic organic solvent.